

 National Aeronautical Laboratory	Documentation Sheet	Document Classification Restricted
Title : Failure of Starboard Main Wheel Housing Flange of Rakshak Aircraft SK-405		Document No. PD MT 8641 Date of issue: Aug '86
Author(s) : S.Radhakrishnan, R.V.Krishnan and R.Rangaraju	Contents 5 pages	
Division : Materials Science	No. of copies: 12	
External participation :	NAL Project No. MT-9-861, MT-1-167	
Sponsor : Aeronautics R & D Board	Sponsor's Project No. Aero/RD-134/100/10/	
Approval : V.Ramachandran	84-85/394	
Remarks :		
Keywords : Wheel bearing housing flange, Fatigue crack, Bending stress		
Abstract : <p style="text-align: center;">The starboard main wheel bearing housing flange of an aircraft had failed. There were tell tale marks indicating heavy rubbing action due to improper alignment of the assembly during the last overhaul. Fractographic examination indicated that this failure was due to fatigue.</p>		